

# North American Santicizer® 148

Plasticizer Additive

Ferro Corporation

## Message:

Santicizer® 148 Plasticizer is an efficient flame retardant, excellent for many commercial resins, particularly Polyvinyl Chloride and its copolymers, Polyvinyl Acetate and Acrylics. It is high solvating and provides good low-temperature flexibility, and it is miscible with most common solvents. Santicizer® 148 imparts flame retardance, low-temperature flexibility and low volatility in Polyvinyl Chloride. It can replace DOP part-for-part to the level needed for fire retardancy while maintaining the flexibility and the softening efficiency of that phthalate. Its use in the compound imparts low smoke generation performance that is far superior to Triaryl Phosphates or Antimony Oxide. It also offers superior fusion properties and solvating action and imparts resistance to abrasion, oil and grease. Used as a 10%-15% replacement for phthalates, it imparts excellent weather and light stability. Hand and drape of the finished film or coated fabric containing Santicizer® 148 are outstanding.

In vinyl plastisols, Santicizer® 148 exhibits fast fusion, low initial viscosity and moderate viscosity stability. Cell structure of vinyl foams is excellent. Clear formulations show a sparkling clarity with Santicizer® 148. The cured compound possesses good low-temperature flexibility and flame retardance. Santicizer® 148 offers PVC adhesives - such as laminating adhesives - fast fusion, good viscosity and flame retardance. When laminating PVC film to cloth, the use of a fire-retardant adhesive dramatically reduces the flammability of the laminate.

By the addition of Silica Aerogel and a non-ionic detergent, a shear-sensitive gel of Santicizer® 148 can be applied to expanded-glass air filters. Such treated filters are flame retardant and efficient dust collectors.

Santicizer® 148 is an efficient low volatility solvator for Ethyl Cellulose, Nitrocellulose, SBR and Nitrile (Buna N) rubbers.

General Information		
Additives Physical	Nominal Value	Unit
Density	1.07	g/cm <sup>3</sup>
Boiling Temperature	245	°C

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